

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1-7 (Cancelled)

8-14 (Cancelled)

15. (Currently Amended) : A rotating table apparatus comprising:
a housing which has a gap portion;
a driven shaft supported by said housing and driven by an actuator;
a rotating table which is rotatably driven by said driven shaft using a cam and cam followers; and
oil that is for lubricating said cam and said cam followers and that is contained in said gap portion;
wherein said housing has an opposing surface which opposes an end surface of said rotating table,
wherein there is a space between said opposing surface and said end surface in a direction along a rotation axis of said rotating table, said space being between 0.005 mm and 0.2mm,
wherein said space is linked with said gap portion and a portion of said oil flows from said gap portion into said space, while said rotating table is stopped, and
~~wherein oscillation of said rotating table in the stopped position is promptly attenuated.~~

16. (Cancelled)

17. (Previously Presented) : A rotating table apparatus according to Claim 15, wherein said cam is a roller gear cam and said rotating table intermittently rotates.

18. (Previously Presented) : A rotating table apparatus according to Claim 17, wherein a tool is provided in said rotating table.

19. (Previously Presented) : A rotating table apparatus according to Claim 17, wherein said rotating table is provided with a chuck for chucking a workpiece which is the object to be processed.

20. (Currently Amended) : A rotating table apparatus according to Claim 15, further comprising a seal provided between said table and said housing for preventing said oil from leaking from said gap portion.